



ProNovia SAP MaterialMasterSupport User Manual

Imprint

Legal Notices

Issue Juni 2014 / B.02.0
All rights reserved.

Copyright and Usage Rights

This document is copyrighted and may not be modified without the prior written consent of the publisher.
Reproduction and distribution is permitted only with the following legal notice:

© 2014 ProNova AG

Changes and updates without notice.

Microsoft is a registered trademark of Microsoft Corporation.

SAP is registered trademark of SAP AG.

ProNova is a registered trademark of ProNova AG.

Disclaimer

ProNova AG assumes no responsibility for any typographical, technical, or other inaccuracies, errors, or omissions and their consequences. Liability in respect of the software described herein, please see our software terms.

Publisher / Contact

ProNova AG
P.O. Box
CH-8180 Bülach
Fon +41 44 860 13 06
Fax +41 44 860 13 07
Website www.pronovia.com
E-Mail [info \[at\] pronovia.com](mailto:info@pronovia.com)

Table of Content

1	Introduction.....	4
1.1	Other documents.....	4
1.2	Prerequisites.....	4
1.3	Abbreviations.....	4
1.4	Symbols in this document.....	5
2	Usage by user.....	6
2.1	Overwritten User Entries.....	6
2.2	Execution Error.....	6
2.3	Errors during Field Value Check.....	7
3	Administration.....	8
3.1	MMS Execution Monitor.....	8
3.1.1.	Screen	8
3.1.2.	Functions.....	9
3.2	Run MMS Directly.....	11

1 Introduction

This document describes the usage of ProNova SAP MaterialMasterSupport user and administrator.

1.1 Other documents

All relevant and available documents are found in the ProNova Support Center: <http://support.pronovia.ch>.

1.2 Prerequisites

Prerequisites for using ProNova products:

- The ProNova products to be used must be installed and setup correctly on the relevant systems.
- The ProNova products must be properly integrated, activated and configured. Details see ProNova Basic Library Integration and Enhancement Manual.
- To use the ProNova products, valid licenses for each product must be loaded on each system. Details see ProNova Basic Library Integration and Enhancement Manual.
- The necessary permissions for the display and maintenance of SAP objects must be present.

1.3 Abbreviations

Some abbreviations used in the ProNova documents:





<i>Abbreviation</i>	<i>Stands for</i>
ADM	ProNova SAP PLM Administrator
C5C	ProNova SAP PLM CATIA-V5-Conversion (CENIT)
CHD	ProNova SAP DMS ChangeDoc
DMC	ProNova SAP DocumentManagementClient
ESB	ProNova SAP EasyBrowse
GCP	ProNova SAP PLM ProcessManager Generic CAD Plugin
MMS	ProNova SAP MaterialMasterSupport
MSC	ProNova SAP PLM StructureControl
MSO	ProNova SAP DMS MSOfficeIntegration
OBJ	ProNova Object Services
OLM	ProNova SAP ObjectLifecycleManager
PBL	ProNova SAP PLM PRM DynamicBaseline
PCF	ProNova SAP Client Framework
PCM	ProNova SAP PLM ChangeManager
PLC	ProNova SAP PLM Client
PRM	ProNova SAP PLM ProcessManager
PRL	ProNova SAP PLM ProcessManager LogisticExtension
PBL	ProNova SAP PLM PRM DynamicBaseline
SDF	ProNova SAP DMS FrameWork
UGC	ProNova SAP PLM UG-Conversion (Marenco)

UTI	ProNova Basic Library
-----	-----------------------

More terms are described in the ProNova SAP PLM Glossar.

1.4 Symbols in this document

In this document following symbols may be used:

	Important or critical hint, to pay special attention to.
	Additional information.
	BusinessAddIns (BAI) are available. They are described in the corresponding installation and enhancement manual.
	Function protected by SAP authorization.

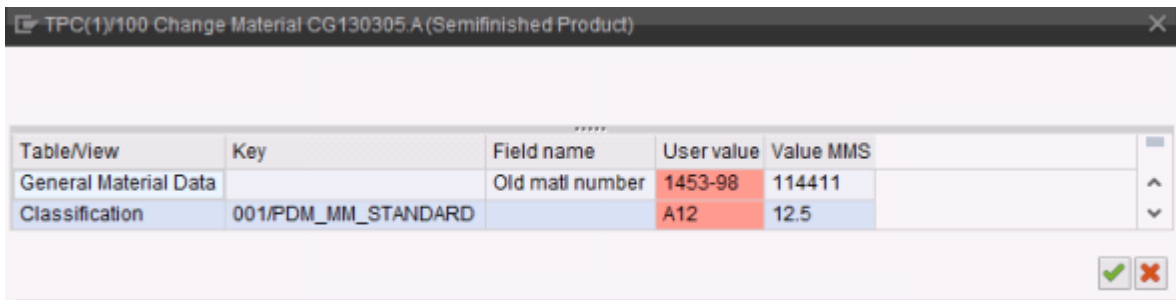
2 Usage by user

ProNova SAP MaterialMasterSupport is running integrated within the maintenance of the material master data and does not require any actions by the user.

2.1 Overwritten User Entries

If a user changes field values and ProNova SAP MaterialMasterSupport will overwrite this value for reasons of dependency, the user will be informed in a dialog.

Data save can then be canceled (✗) and the user returns directly to the material master maintenance transaction.

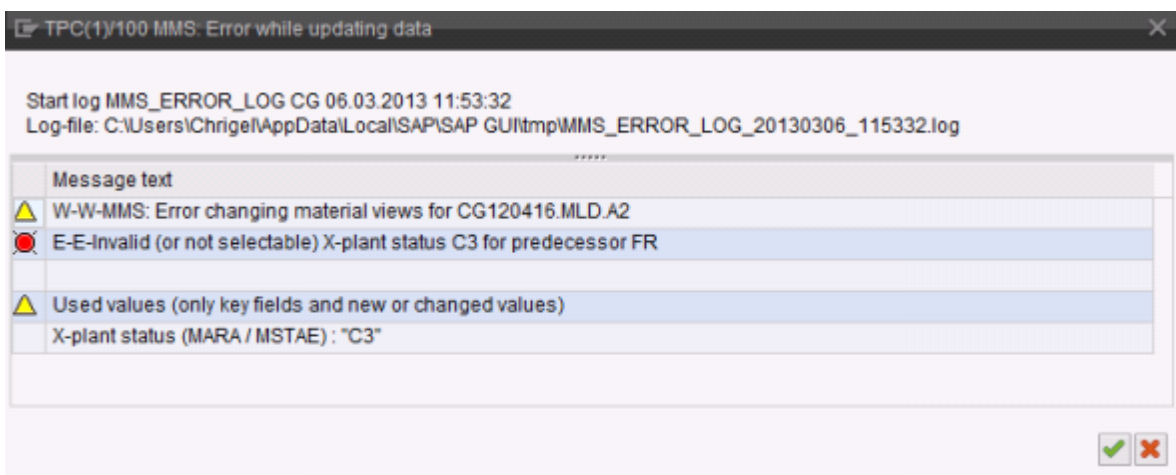


This dialog will only appear for on-line operations, never for background operations or mass jobs. It is possible to suppress this function using option: „No checks if user entries have been reset“ (Please refer to ProNova SAP MaterialMasterSupport, Customizing Manual).

2.2 Execution Error

In case actions on material master data or classification data cannot be performed, error messages will be displayed in an error dialog. Furthermore the error messages will be written in a file in the temporary user directory (according variable %TEMP%).

Example:

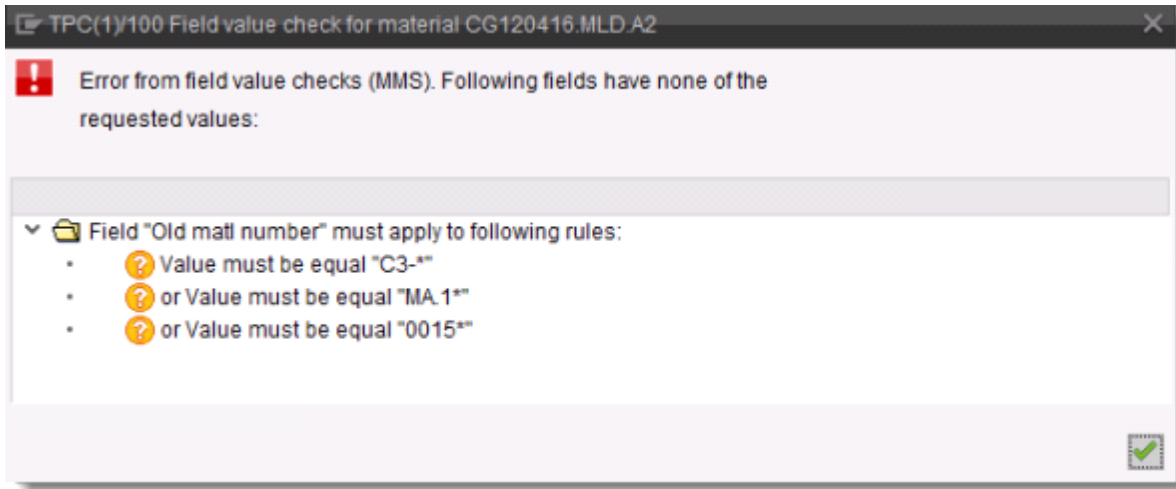


Depending on the MMS settings a material master record cannot be changed anymore by user after a MMS execution error until the error is handled by an administrator. See [MMS Execution Monitor](#)⁸ for more information.

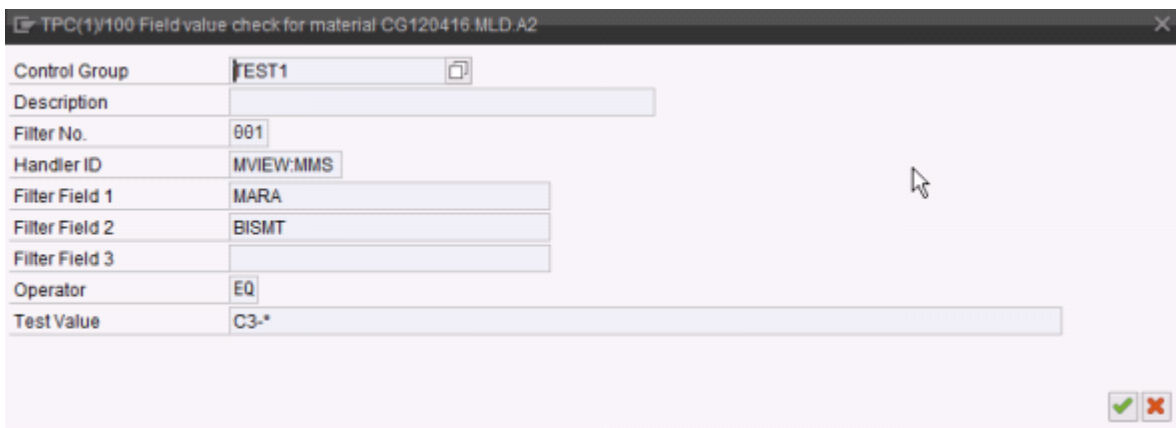
2.3 Errors during Field Value Check

Eventually field values will be checked:

Example:



Using the icon indicated above the technical information for this line will be displayed:



3 Administration

ProNovia SAP MaterialMasterSupport offers various administration functions, which are described in the following sections.

3.1 MMS Execution Monitor

Depending on the settings MMS actions, which maintain field values / material views, are registered in the execution log. Actions executed in background are always logged, others depending on the MMS main settings.

In the MMS execution monitor this log records can be controlled and maintained. Additionally in this monitor settings for deleting old records and the controlling the MMS batch job are available.

The functions of the MMS execution monitor:

- Display / control of the registered MMS actions
- Start / stop of the MMS background job
- Settings for deleting the registered actions
- Maintenance functions on the registered MMS actions

The MMS execution monitor is started using the function MMS Execution Monitor in the MMS customizing or directly using the transaction /PRONOVIA/MMSEXEMON.



The execution in general and the different functions in the MMS batch monitor are protected by authority checks. Depending on the available authorities for a user some functions are not available or some field values display only. The authorities are described in the MMS Integration & Enhancement manual.

3.1.1 Screen

MMS Execution Monitor

Selection of MMS execution records

Material: _____ to: _____

Date record inserted: _____ to: _____

Triggered by user: _____ to: _____

☒ Waiting for execution

☒ Error in execution

☒ Aborted by Admin / Skipped because of material change

☒ Execution successful

Read data

Control

Delete if OK after ... days: 1

Delete with error after ... days: 1

Delete ignored records after ... days: 2

Save control data

MMS batch job running







Background User: CG No. of jobs: 1

ServerName: _____

Trigger event

MMS execution records for selection

Type	Material	Status	Message Text	All messages	Action data	Created By	Created On	Created At	Changed by	Changed On	Changed at
CG	121114.MMS.C	K	After error skipped because of material change			CG	14.11.2012	07:36:33	CG	14.11.2012	07:37:15
419		S	Actions successfully executed			CG	07.05.2013	10:47:16	CG	29.06.2013	10:06:40
2		S	Actions successfully executed			CG	29.06.2013	09:55:00	CG	29.06.2013	09:55:00
11		S	Actions successfully executed			CG	29.06.2013	09:55:00	CG	29.06.2013	09:55:00
22		S	Actions successfully executed			CG	29.06.2013	09:55:00	CG	29.06.2013	09:55:00
31		S	Actions successfully executed			CG	29.06.2013	09:55:01	CG	29.06.2013	09:55:01
32		S	Actions successfully executed			CG	29.06.2013	09:55:01	CG	29.06.2013	09:55:01
33		S	Actions successfully executed			CG	29.06.2013	09:55:01	CG	29.06.2013	09:55:01
34		S	Actions successfully executed			CG	29.06.2013	09:55:01	CG	29.06.2013	09:55:01
35		S	Actions successfully executed			CG	29.06.2013	09:55:01	CG	29.06.2013	09:55:01

Area	Function / Description
A Selection	<p>In this area the records to display are selected. After starting the MMS Execution monitor all records with an execution error and records not yet executed are displayed.</p> <p>If the selection is changed press Read data to display the matching records.</p>
B Control of deletion	<p>In this area the control data for deleting the execution records are displayed and can be maintained.</p>
C Batch job control	<p>Shows the status of the MMS batch job and provide functions to start and stop the job.</p>
D Display / functions on single records	<p>In this area the selected execution records are displayed. The standard ALV functions are available. By clicking on the links or via the context menu functions for the execution records are executed.</p> <p>In the area D.2 the status of each execution record is displayed:</p> <p> This record is registered but not yet executed. Such records should be executed within short time, else check if the MMS batch job is running.</p> <p> This record has been executed successfully.</p> <p> The execution was terminated with an error. If more than one message line is available, all messages can be displayed by clicking on the icon  in the area D.3.</p> <p> Such records are marked to be ignored by an administrator here within the MMS Execution Monitor.</p> <p> This status means “After error skipped by a material change”. If a MMS execution error according the settings in the control group doesn’t lock the material master record and the material is changed outside the MMS Execution Monitor, then this status will be set. An execution record with this status can’t be executed anymore. This because the data basis on which the action where setup has changed.</p> <p>If material data should be corrected and the MMS action re-executed, this must be made here in the monitor.</p> <p>Material master records with a status “Actions not yet executed” or “Error” can’t be edited by any user (or other process). A corresponding message with detailed information will be displayed by MMS. Error records must be corrected and successfully be executed or the action must be marked to be ignored (see functions below).</p> <p>In the area D.4 the user and time when the record is inserted is displayed (this is the user which has triggered the MMS action) and who changed the record. This is on successful execution the triggering user (online), the batch user or else the administrator.</p>

3.1.2 Functions

Control of deletions


In this area it can be defined, after how many days registered execution records will be deleted. Depending on the record status different values can be defined. Newly registered records which are not yet executed

can't be deleted.

If one of the settings has no value (empty) corresponding records will not be deleted.

Changes of any values must be saved using the push button "Save control data".

Batch job control

	To execute this functions a user needs besides the MMS authorities (see MMS Integration & Enhancement manual) also standard SAP authorities to create and delete batch jobs.
---	--

Registered MMS records will only be executed, if the MMS batch job is running. In this area the state of the batch job is displayed and the job can be started and stopped. By stopping, the job will be deleted from the batch queue.


Relevant fields for batch jobs


<i>Field</i>	<i>Description</i>
Background User	The execution of the actions runs under the user name entered in this fields. This means that the MMS actions will run under this user with the authorities of this user.
No. of jobs	Defines how many jobs / processes is MMS allowed to run in parallel. This is important, when executing mass updates triggering MMS batch actions. The absolut max. amount of processed is defined by the running batch processes on the system / server. This value should always be set that not all batch processes are used by MMS.
ServerName	Defines the server to be used by MMS. Without entry the SAP batch system any free batch server.

If already records are registered for execution when the batch job is started, by executing the function Trigger event this records can be processed. Else they will not be processed until next time a material master change triggers MMS actions.


Functions on execution records

Depending on status and authorities various functions on the execution records are available using the context menu or the links.

<i>Area</i>	<i>Function</i>	<i>Description</i>
D.2	Click on material number	Calls the transaction MM02. If for a material master record an execution record with status "Not yet executed" or "Error" exists and editing is locked by MMS settings, this material master record can only be edited using this function. For example if after an error the data should be corrected and the MMS action then be re-executed, the data maintenance has to be called using this function.
D.3	Click on 	For records with status error, normally more than one message line is stored. Use this function to display all messages.

<i>Area</i>	<i>Function</i>	<i>Description</i>
Context Menu	Re-execute after error	<p>Re-executes the registered MMS action after an execution error. Depending on the error, it can be necessary to correct the data before re-executing.</p> <div>  <p>Note that any change at the customizing will not affect registered MMS action records. Re-executing an action does not reprocess the rules and redefine the actions to execute, but only process the fields and views saved in the action record.</p> <p>If an error occurs because of invalid customizing data, the action must be marked to ignore and the data has to be fixed manually.</p> </div>
Context Menu	Execute action	Runs the registered but not yet executed MMS action. This is mostly for testing, when the MMS batch job is not started.
Context Menu	Execute ignored action	Even if a MMS action is marked to be ignored, with this function the action can be executed.
Context Menu	Mark to be ignored after error	If a MMS action should not be re-executed after an error and the material master record should be released for editing, the record can be marked to be ignored with this function.
Context Menu	Mark to be ignored	If a newly registered record should not be executed, it can be marked to be ignored with this function. This is only to be used when testing without MMS batch job.

3.2 Run MMS Directly



	In the ProNova SAP MaterialMasterSupport customizing environment a utility is available which runs dependencies of MMS directly. This may become necessary if an action must be repeated after an error (e.g. because of false settings). Without this utility or without resetting data, it won't be possible, because the change of date, responsible for the action have already been updated.
---	---

Handling

Start the MMS Direct Execution from the MMS customizing function Execute directly.

MMS direct execution control parameters



Trace (7) (8)

Control Data Control Group <input type="text" value="MARC RUST"/> (1) (9)  <input type="checkbox"/> MM01 (3) Template Material <input type="text"/>		Material Data / Views Material <input type="text" value="CG080603.C"/> (10)  Side part 1500X700 left (2) Plant <input type="text" value="0001"/> Warehouse No. <input type="text"/> StorageLocation <input type="text"/> Storage Type <input type="text"/> Valuation area <input type="text" value="0001"/> Sales Org. <input type="text"/> Valuation Type <input type="text"/> Distr. Channel <input type="text"/>	
---	--	--	--

Selection / Status of Dependencies				
Auto	Sel.	Ignor.	Dependency	Description
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	2	
	(4)			(5)

Values for activating dependencies (only "Auto") (6)			
Key	Name	Field value old	Field value new
MARC/VRVEZ	Setup time		
MARC/WERKS	Plant	0001	0001

No.	Area	Function / description
(1)	Control data	Definition of control group.
(2)	Material data / views	Definition of material and views. The keys of the dependent views (especially of the filters, but also for <NEWVALUE>) must be entered.
(3)	Control data	Definition of a simulation of creation (with or without template) or a change of the material master record.
(4)	Selection / status of dependencies	Definition of dependencies which must be used. Either automatically („Auto“) or manually. Manually allows to activate a dependency explicitly („Sel.“) or to ignore the dependency („Ignore.“).
(5)	Selection / status of dependencies	The status icon indicates whether dependency is executed. (Red = no, green = yes).
(6)	Values for activating dependencies (only for option „Auto“)	Lists values, which define whether a dependency will be executed or not. Only filter fields marked with option „Auto“ are listed. „Field value old“ must be entered manually and allows simulating the planned data change.
(7)	Pushbutton „Execute“	Push button Execute will start the selected / activated dependencies.
(8)	Pushbutton „Trace“	Push button Trace (8) calls /PRONOVIA/TRACE dialogue, to start and stop ProNova Trace: • Call Trace.

No.	Area	Function / description
		<ul style="list-style-type: none"> • Add settings to record ProNova SAP MaterialMasterSupport actions. Start . • Return to MMS Direct execution (F3), execute actions. • Recall Trace. • Stop with .
(9)	Push button	This pushbutton calls ProNova SAP MaterialMasterSupport customizing.
(10)	Pushbutton	Shows material master data and views (MM03).

Pro Nova AG Telefon +41 (0)44 860 13 06
Lindenhofstrasse 8 Telefax +41 (0)860 13 07
CH 8180 Bülach www.pronovia.com